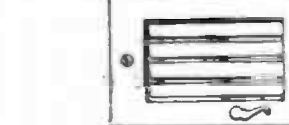


**AUSTIN'S IMPERIAL
PATENT SASH AND BLIND LINE,
ROPEMAKERS, IRONWORKERS, AND WHOLE
SALE HOUSES IN TOWN AND COUNTRY.
VENTILATION—PURE AIR.**



EXTERNAL WALL.
With patency, from 2s. each; with leading pulley, from 3s. 6d.
These Ventilators are so arranged that the requisite quantity of
air may be admitted for the ventilation of an apartment
without the slightest draft being felt by the occupant; and as
they are placed in the external wall, the draught is not impeded
when the house is closed for the evening, which time a constant
supply of fresh air is required. — J. L. BARNHAM, 41, BEDFORD-STREET, STRAND.
Sole London Agent for all Venetian Ventilators, Builders, &c.

REGISTERED VENETIAN VENTILATOR,



DR. ARNOTT'S VENTILATING CHIMNEY VALVES,
at the following reduced prices:—
No. 1. Plain Valve 2s. 6d.
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PATENT SPINDLED CHINA MORTISE FURNITURE
White 1s. 6d. per set.
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White and gold 1s. 6d. per set.
J. L. BARNHAM, 41, BEDFORD-STREET, STRAND, FOUNDRY, NAIL
AND TOOL WAREHOUSE, 14, BROADWAY, LONDON.
Established nearly 50 years for the sale of goods from the best
manufacturers at the lowest prices.

BAD VENTILATION.—In the year 1841,
Mr. W. H. PHILLIPS, Member, gave evidence before the
Select Committee of the House of Lords, declaring the certain
failure of the "Bed" system of Ventilation, and offered a system
certain of success. In further evidence, that Mr. Phillips
the successful failure of the chosen plan before the foundation
was laid, see his letter, headed "Ventilation of the New
House of Commons." The Select Committee, in 1841, reported
"seriously" as to the failure of the chosen plan, and an experimental
Member should so far have placed some members of the late Par-
liament as to induce them to wish the same effort against nature
to be established in the foundations of the New House of Par-
liament for a perpetual. — J. L. BARNHAM, 41, BEDFORD-STREET, STRAND.

BAD VENTILATION.—Some 100,000 tall pipes,
coats and other signs of bad ventilation of the dwelling-
houses of London, prove the necessity of a standard principle for
constructing chimneys, for there is not to be found in all London,
a single street or row of houses free from bad ventilation arising
from bad construction, as explained upon the simple plan
patented by the inventor, W. H. PHILLIPS.
Note.—Whole rows and streets of first, second, and third class
houses built upon the patent plan, are perfectly ventilated, and are
quite free from the nuisance of cold, and also free from all
damp, cold, and other signs of a troubled house. For 100,000, see
reply to W. H. PHILLIPS and Co. Patentees, 14, Broad-st., Strand.

NOTICE.—It having come to our knowledge that
several persons have at various times constructed chimneys
upon the plan for which Royal Letters Patent were granted to us,
in the year 1841, we hereby give notice that such persons will be
treated as INFRINGERS of our PATENT RIGHTS, and
that damages will be claimed on the law. —
W. H. PHILLIPS and CO., 14, Broad-st., Strand.

CALORIFERE.—Gold Medal, Paris Exhibition,
1855. A 100-cubic foot room, warmed by hot air only, at
25 degrees Fahrenheit, is better than 100 of coal per hour. The
most complete safety against fire, the best and most powerful
ventilator, without any machinery, are obtained by CALORIFERE'S
PATENT CALORIFERE. The constant supply of fresh air
service not only keeps the room cool, but also keeps the
air damp or moist air, that makes it very desirable for churches,
schools, theatres, hospitals, manufactories, clubs, houses of any
size, landings, and green houses. The Calorifere has been adopted
by the House of Commons, and is now in operation in many places in
London and country. Apply, per post, to T. BULLIVER, Franch
Engineer, 64, Fenchurch-street, London.

HEATING BY HOT WATER.—J. JONES,
Ironfounder, has always a large variety of CONICAL
and RATTLE BURNERS IN STOCK; also fire and furnace bars,
ornamental and plain supply-chimneys, double doors and frames,
furnace grates, cast doors for the same, hot water pipes, elbows,
tees, syphons, throat valves, stop cocks, flanges and socket elbows,
&c.; also troughs, gratings and grates of the above, on ap-
plication to J. JONES, Ironfounder, No. 6, Back-lane, London,
near the South-west iron-bridge.

HOT WATER APPARATUS.—The attention
of Architects, Builders, and others, is respectfully requested
to BENJAMIN FOWLER'S superior method of heating churches
and chapels, halls, staircases, conservatories, forcing and green
houses, manufactory and warehouses, dining rooms for dining
clubs, &c. and every variety of purpose for which artificial heat is
required. Within the last twenty years some hundreds of
buildings have been heated upon this plan, and the parties for
whom they were erected are constantly expressing their satis-
faction, also their willingness to convey their satisfaction.

**GREAT EXHIBITION.—DRAWING
ROOM GRATES AND FENDERS** to which the GREAT
OF COVENTRY, WARREN and WARD, 18, CHISWICK-STREET,
J. L. BARNHAM and SON, beg to inform that these beautiful
Stoves and Fenders which were so generally admired for their
artistic design and elaborate workmanship, are now on view in
their EXTENSIVE SHOW-ROOMS, and respectfully invite
ARCHITECTS and others engaged in building to inspect them.

WARM AIR STOVES FOR CHIMNEYS, HALLS, &c.
simple in construction, ornamental in design, and thoroughly
effective of various sizes and prices.
J. L. BARNHAM and SON, MANUFACTORY and SHOW-
ROOMS, 18, WIGMORE-STREET, CAVENTISH-SQUARE.

PRIZE MEDAL FOR COOKING APPARATUS
as awarded to J. L. BARNHAM and SON.
The IMPROVED FAMILY RANGE will roast, boil, bake, fry,
&c. &c. for a large family, with an average consumption of only
10 lbs. of coal per day. It has an open fire, is perfectly simple, and
of materials of steel.
Specimens of these excellent and economical Ranges, and also
of the most improved Boiling Stoves, Hot Water, Hot Tables,
Ovens, &c. &c. as lately exhibited in HYDE-PARK, may be in-
spected at the MANUFACTORY and SHOW-ROOMS, A Gas
Cooking Apparatus in a separate room.
J. L. BARNHAM and SON, Stoves, Ranges, and Bath Manufac-
turers, Hot-water and Gas Engineers, 18, WIGMORE-
STREET, CAVENTISH-SQUARE, LONDON.

**THE AERONOMIC SYSTEM OF VEN-
TILATION** upon natural principles, tested by fifty
years of practical experience, is now applied, without
exception, to Churches, Schools, Hospitals, &c.
Superior to all Ventilation for Smoke and Ventilation
made to the accompanying pattern and on the above
principles have been successfully applied by architects
the highest eminence.
They are ornamental, cheaply fixed, durable, and easily
adapted to any building.

**PRIZE MEDAL AWARDED AT THE GREAT EXHIBITION FOR
PIERCE'S UNIVERSAL FIRE-LUMP GRATES,**

which with its ECONOMICAL RADIATING TOVEGRATES, were shown in extensive variety, Class No. 107, in the main
Western Avenue of the Great Exhibition. Manufacture and show-rooms, 3, Jermyn-street, Regent-street, London.
These Radiating Fire-lump Grates are manufactured by him from designs the most simple to the most elegant and ornamental,
and are adapted equally for the Cottage or Mansion, and to the style of building for which they are intended, as well to the kitchen and
decorations of the Dining or Drawing room, Library, Billiard room, Bed-room, &c. &c. with ornamental flues and
Federal style chimneys. The Radiating principle upon which these Grates are constructed, is that of producing the greatest degree
warmth with the smallest consumption of fuel, and they are especially adapted for the purpose of SMOKEY CHIMNEYS.
PIERCE'S IMPROVED METHOD OF WARMING
Churches, Schools, Galleries, Libraries, and Entertainment by HOT WATER, whereby warmth is combined with Ventilation,
and the fuel cost is reduced 40 per cent. It is daily established by the reputation
of the system, and the fact that it is the only system of warming and ventilation which is not only simple and economical, but
WARM, HEALTHY, and safe from the danger of a gas or a smoky room, which are always ready to a smoky room, and
KITCHENS, LAUNDRIES, and DRYING-ROOMS, fitted up with every improvement, and on the most economical arrangement.
J. L. BARNHAM and SON, 3, JERMYN-STREET, REGENT-STREET.
Sole London Agent for Nicholson's Prize Cottage Ranges, Anglo-German Cooking and other Stoves, &c. &c.

**NEW HOUSES OF PARLIAMENT.—
DEPICTION OF STOVES, RANGES, and BATHS,** just
completed for two kitchens in the above building.—A great variety
to select upon the same principle, and also for the purpose of
warm bath may be obtained for three-pence. Gas Cooking
and Heating Stoves for all classes, from 1s. 6d. for the celebrated
Try Gas Stoves, 400 in use in Testimonials at the office, 115
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St. Martin's Lane to more extensive premises, New Road, near
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**TOZER'S PATENT VENTILAT-
ING GAS STOVE,** for halls, shops, offices,
&c. price 3s. This stove is constructed on the
principle of ventilation, combined with eco-
nomy, the consumption of gas being only 2s.
for twelve hours. The absence of all smoke and
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libraries, or wherever warmth is required. Also,
TOZER'S PATENT GAS STOVE,
to burn coal, suitable for village churches, &c.
Ironmonger and Manufacturer,
33, Dean-street, Soho.

**NO CHIMNEY IS WANTED FOR
RICKETS' PATENT CALORIFERE GAS
STOVE** in churches, halls, or shops, for every
place, or any other place, a pipe can be at-
tached to convey away the burnt air. These highly
approved stoves are used at the Royal Albert Hall, Colonial
Hall, Bristol Cathedral, the Abbey, Testaments, the
House of Lords, Westminster and St. Paul's, St. M.
Matthew, Charing-cross, and many other churches,
schools, and other places in all parts of England.
Manufacturers, 3, Agar-street, Strand, opposite
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THE MOST APPROVED STOVES.—The
demand for the GRASS and YESTER STOVES is increasing
rapidly, still continuing unabated, and numbers having been sold
last season up to upwards of 15000 through the patronage of
families who have had experience of their pre-eminently useful
qualities. WILLIAM A. BURNETT has now for sale, on con-
dition, for the purpose of their dealers, economy, and safety.
During the last twelve years they have been found to be a uniform
comfort in the bedroom of the invalid, affording a uniform tem-
perature throughout the day and night, with one supply of fuel,
without attention. Particulars and prices from Chas. H. H.
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full of commodities, opposite the shop.
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the Outlets, Nickel Silver, Plating and Jewellery Ware, Iron and
Steel, &c. &c. arranged and standard that purchasers may
easily and at once make their selection.
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this catalogue for every article is approved of.
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street, London, and 1, New Park-street, Southwark, Man-
ufacturers of ROLLERS, and improved CONICAL
IRON ROLLERS, and Cast-iron and Hot-house Builders, either
in wood or iron, respectfully call the attention of the nobility,
gentry, and gentlemen to their simple but efficient method of
warming billiard-rooms, and other buildings by Hot Water. From
the extensive works they have executed references of the highest
respectability can be given, and full particulars furnished on
application.**

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Improved Hot-water Outlets, Ranges, &c. 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 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6190 6195 6200 6205 6210 6215 6220 6225 6230 6235 6240 6245 6250 6255 6260 6265 6270 6275 6280 6285 6290 6295 6300 6305 6310 6315 6320 6325 6330 6335 6340 6345 6350 6355 6360 6365 6370 6375 6380 6385 6390 6395 6400 6405 6410 6415 6420 6425 6430 6435 6440 6445 6450 6455 6460 6465 6470 6475 6480 6485 6490 6495 6500 6505 6510 6515 6520 6525 6530 6535 6540 6545 6550 6555 6560 6565 6570 6575 6580 6585 6590 6595 6600 6605 6610 6615 6620 6625 6630 6635 6640 6645 6650 6655 6660 6665 6670 6675 6680 6685 6690 6695 6700 6705 6710 6715 6720 6725 6730 6735 6740 6745 6750 6755 6760 6765 6770 6775 6780 6785 6790 6795 6800 6805 6810 6815 6820 6825 6830 6835 6840 6845 6850 6855 6860 6865 6870 6875 6880 6885 6890 6895 6900 6905 6910 6915 6920 6925 6930 6935 6940 6945 6950 6955 6960 6965 6970 6975 6980 6985 6990 6995 7000 7005 7010 7015 7020 7025 7030 7035 7040 7045 7050 7055 7060 7065 7070 7075 7080 7085 7090 7095 7100 7105 7110 7115 7120 7125 7130 7135 7140 7145 7150 7155 7160 7165 7170 7175 7180 7185 7190 7195 7200 7205 7210 7215 7220 7225 7230 7235 7240 7245 7250 7255 7260 7265 7270 7275 7280 7285 7290 7295 7300 7305 7310 7315 7320 7325 7330 7335 7340 7345 7350 7355 7360 7365 7370 7375 7380 7385 7390 7395 7400 7405 7410 7415 7420 7425 7430 7435 7440 7445 7450 7455 7460 7465 7470 7475 7480 7485 7490 7495 7500 7505 7510 7515 7520 7525 7530 7535 7540 7545 7550 7555 7560 7565 7570 7575 7580 7585 7590 7595 7600 7605 7610 7615 7620 7625 7630 7635 7640 7645 7650 7655 7660 7665 7670 7675 7680 7685 7690 7695 7700 7705 7710 7715 7720 7725 7730 7735 7740 7745 7750 7755 7760 7765 7770 7775 7780 7785 7790 7795 7800 7805 7810 7815 7820 7825 7830 7835 7840 7845 7850 7855 7860 7865 7870 7875 7880 7885 7890 7895 7900 7905 7910 7915 7920 7925 7930 7935 7940 7945 7950 7955 7960 7965 7970 7975 7980 7985 7990 7995 8000 8005 8010 8015 8020 8025 8030 8035 8040 8045